Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (CSE/IT) (Sem.–4th)
SYSTEMS PROGRAMMING
Subject Code : CS-210
Paper ID : [A0462]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.**

SECTION-A

1. **Write briefly :**

    a) What is device management in OS?

    b) What is the role of YAAC?

    c) What is the necessity of grammar?

    d) What is the role of translator?

    e) What do you mean by intermediate code generation?

    f) What is role of compile and go loader?

    g) What is the role of compiler and Assembler ?

    h) What is syntax analysis?

    i) What is absolute loader?

    j) What is role of shell?

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SECTION-B

2. What are the various booting techniques? Explain subroutines.

3. What is the role of linker and loader?

4. What is the utility of debugging? Justify your answer with any case study.

5. What are various editors? Explain any one.

6. Explain the designing of compiler in C++ as prototype.

SECTION-C

7. Explain the various passes of assembler.

8. What is the role of kernel in an OS? Explain the design procedure of it.

9. What do you mean by bootstrapping for complier? Explain the various code optimization techniques.